

**Fig. 1A**

Position of motif sequence 3

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StMuSP 238:HYT IQFKIADHDYVYDFALPMVTLVSL YSGKVDRLAKWLMSPMKQFTTLDTHDGI GVVVDKDI LTDEE I TYTSNELYK 317
StPSP 238:HYS IQFKIADHDYVYDFALPMVTLVTL YSSRTERLAKWLMSPMKQFTTLDTHDGI GVVVDKDI LTDEE I DYASNELYK 317
StSSP 238:HYS IQFKIAEHDFI YDFALPMVTLVSL YSGRVRLADWLAKSPMKQFTTLDTHDGI GVVVDKDI LTDEE I AYTSQQLYK 317
StMiSP 238:HYS IQFKIADHDYVYDFALPMVTLVTL YSSRTERLAKWLMSPMKQFTTLDTHDGI GVVVDKDI LTDEE I DYASNELYK 317
LeuSP1 241:HYS IPKKINDHGYFTYDFALPMTTLYTL YSGKTNQLAKWLMSPMKQFTTLDTHDGI GVVVDARDI LTDEE I DYASEQLYK 320
LeuSP2 241:HYT IPQKINAHGYFTYDFALPMTVLYTL YSGKTNRLANWLKQSPMKQFTTLDTHDGI GVVVDARDI LTDEE I DYASEELYK 320
OenSP 238:HYT IPAKINEGYFTYDFVLPVLYTL YSGNPKQLAKWLMSPKKQFTTLDTHDGI GVVVDARDI LTDEE I DYTSSELYK 317
LBSP1 238:HYTMPFKVAEHGYFTYDFALPMVLLVSL YSGNSTQLAAWLKKCPMKQFTTLDTHDGLGVVDKDI LTDDQI SYTTNELYK 317
LBSP2 238:HYSMPFKISKHGYFTYDFALPMVTLVSL YSGKSNRLADWLKKCPMKQFTTLDTHDGI GVVVDARDI LSPDE I KYTSNELYK 317
ListSP 238:HYS IQMKIANHDYFI YDFALPMVMLVSL YSGRVERLAKWLEMSPMKQFTTLDTHDGI GVVVDARDI LTDEE I DYTSAELYK 317

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StMuSP 318:VGANVWRKYSTA EYNLDIYQINSTYYSALGDDDKYFLARLI QAFAPGIPQVYVVGFLAGKNDLELLESTKEGRNINRH 397
StPSP 318:VGANVWRKYSSAEYNLDIYQINSTYYSALGDDDKYFLARLI QAFAPGIPQIYYVGLLAGKNDLKLEETKEGRNINRH 397
StSSP 318:VGANVWRKYSTA EYNLDIYQINSTYYSALGDDDKYFLARLI QAFAPGIPQVYVVGFLAGKNDLKLEETKEGRNINRH 397
StMiSP 318:VGANVWRKYSSAEYNLDIYQINSTYYSALGDDDKYFLARLI QAFAPGIPQVYVVGFLAGKNDLKLEETKEGRNINRH 397
LeuSP1 321:VGANVKKTYSSA EYNLDIYQINSTYYSALGDDDAAYLLSRVQVVFAPGIPQIYYVGLLAGENDI ALLESTKEGRNINRH 400
LeuSP2 321:VGANVKKTYSSA EYNLDIYQINSTYYSALGDDDAAYLLSRVQVVFAPGIPQIYYVGLLAGENDI ALLESTKEGRNINRH 400
OenSP 318:VGANVWRKYSSAEYNLDIYQINSTYYSALGDDDKYFLARLI QAFAPGIPQIYYVGLLAGKNDLELLESTKEGRNINRH 397
LBSP1 318:IGANVKKKYSSAEYNLDIYQINTTYYSALGDDDKYFIARLLQIFAPGIPQIYYVGLLAGENDI QLEETKEGRNINRH 397
LBSP2 318:IGANVKKKYSSAEYNLDIYQINTTYYSALGDDDKYFIARLLQIFAPGIPQVYVVGFLAGKNDLELLESTKEGRNINRH 397
ListSP 318:IGANVKKIYSEKYNLDIYQINSTYYSALGDDDKSYLLARVI QCFAPGIPQIYYVGLLAGKNDI ALLEETKEGRNINRH 397

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StMuSP 398:YYSSEE I AKEVQRPVVKALLNLFYRNQSAF DLGR I EVETPNEATI VIERQNKDGS HIATAEI NLQDM-TYRV TENDR 476
StPSP 398:YYSNEE I AKEVQRPVVKALLNLF SFRNRS AFDLEGT E IETPTAHSI VIKRQNKD KSVTAVVEI DLQNQ-TYRV IEN-- 474
StSSP 398:YYSSEE I AKEVQRPVVKALI KLF SFRNNS QAFDL DGSLETEVL DDHTI VIKRQNKD KSALARA VI NLQDL-TYRV TENGQ 476
StMiSP 398:YYSNEE I AKEVQRPVVKALLNLF SFRNRS AFDLEGT I DVETPTAHSI VIKRQNKD KSVTAVAEI DLQNQ-TYRV ---- 471
LeuSP1 401:YYT REEVKSEV KRPVVANLL KLLSWRNESAFDL AGSI TYDTPDTDTI VYTRQDENGQNKAVLTADAA-NKTFEI VENGQ 479
LeuSP2 401:YYT REE I KSAVKRPV VADLLALLSWRNQSAFAL DGTITVETPSEHDI K ITRTQHS GDN IAILLANAK-TRTFVITANGK 479
OenSP 398:YYSSEE VANEVQRP I VACLLKLLAWNRSAF DLQGD I QVSATDKNEI K I IRTSTNGQDTAELTANVA-LKTFTIKENDK 476
LBSP1 398:YYDLDEI AEQVQRPVVKSLI KLEFRNSVPAFDL EGSIKVETPSEHEI I VTRSNKAGTEVASTYVDFKNL-DYQVQYNDQ 476

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**Fig. 1B**

StMuSP	477:T-ISFE-----	481
StPSP	475:----GVEV-----	478
StSSP	477:T-ITFE-----	481
StMiSP	472:-----MRTEKKY--ILKT	482
LeuSP1	480:TVMSSD-----NLTKN--	490
LeuSP2	480:TVLQNK-----	485
OenSP	477:ILILIEDQTDI-KDI-----	489
LBSP1	477:VFNF-----	480
LBSP2	477:VINF-----	480
ListSP	477:N-ILI-----	480

Fig. 1C

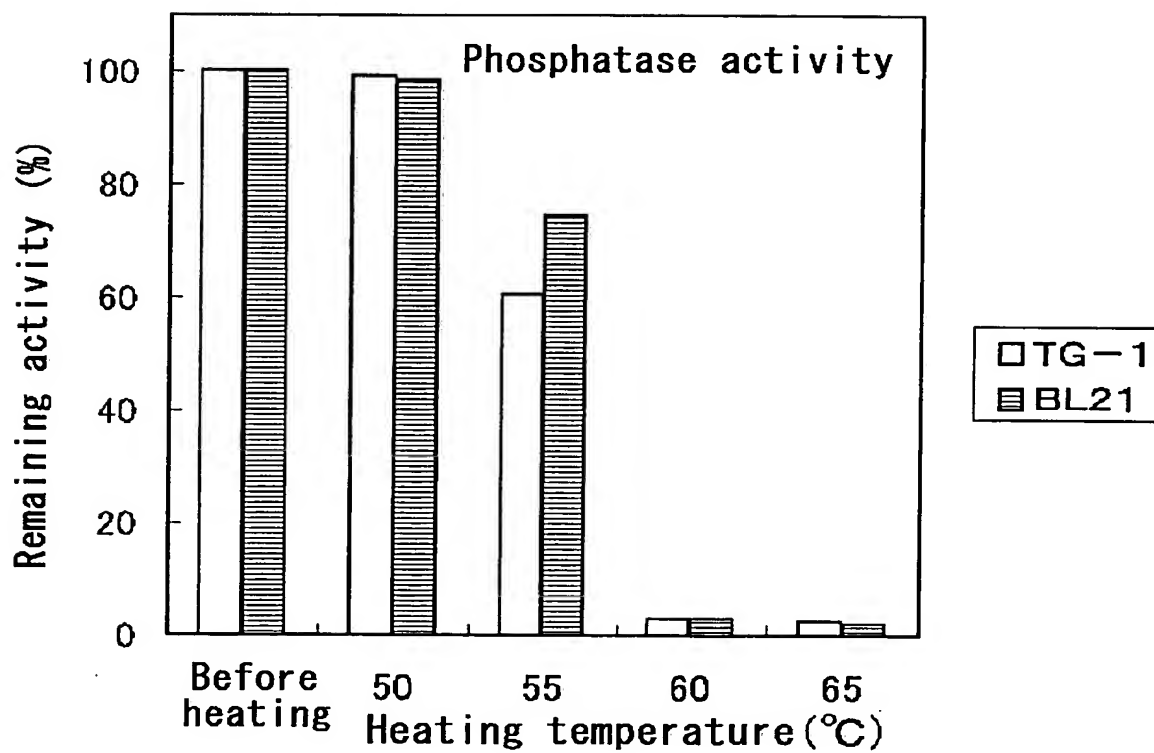


Fig. 2

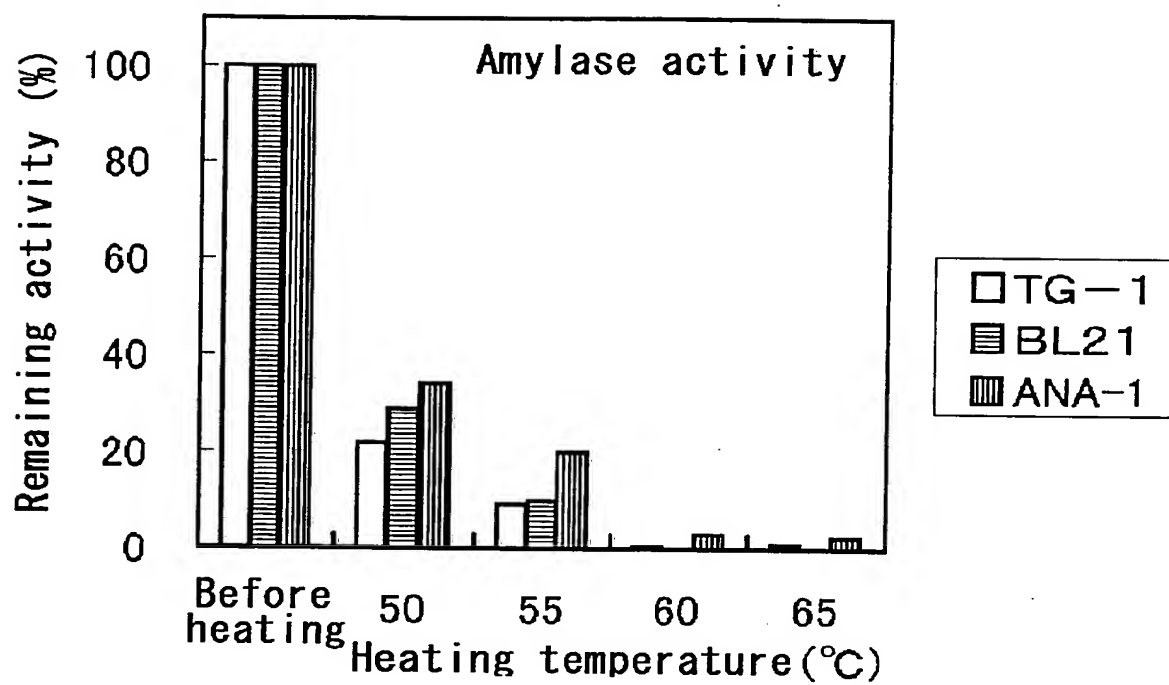


Fig. 3